

Express Mail No.: EV 324621475 US

PATENT APPLICATION

Attorney Docket No.: 004578.1375First Named Inventor: Gary A. Frazier  
(Or Application Identifier)TRANSMITTAL FOR U.S. PATENT APPLICATION  
UNDER 37 C.F.R. § 1.53(b)Mail Stop Patent Application  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed for filing is a patent application entitled:  
METHOD AND APPARATUS FOR HIGH-SPEED QUANTIZATION USING  
RESONANT TUNNELING TECHNOLOGY

The enclosed application is:

☒ Original  
☐ Continuation ☐ Divisional ☐ Continuation-In-Part  
(CIP) of prior application No. \_\_\_\_\_

Enclosed are:

☒ Specification, Claims and Abstract (24 Total Pages)  
☒ Drawings (3 Total Sheets of ☒ Formal ☐ Informal)  
☒ Combined Declaration/Power of Attorney (3 Total Pages)  
☒ Newly executed (original or copy)  
☐ Copy from a prior application  
(for continuation or divisional only)  
☐ Incorporation By Reference - The entire disclosure of the prior application, from which the copy of the Declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference herein.  
☐ This application is being filed by fewer than all of the inventors named in the prior application, under 37 CFR §1.53(d)(4). Please DELETE the following inventor(s) named in the prior nonprovisional application:  
\_\_\_\_\_  
\_\_\_\_\_☒ Assignment, with a separate cover sheet in compliance with 37 C.F.R. § 3.28 and § 3.31, and an Assignment recording fee of \$ 40.00 pursuant to 37 C.F.R. §1.21(h).

X   Information Disclosure Statement (IDS), and Form PTO-1449  
  X   Copies of documents listed on Form PTO-1449.

       Preliminary Amendment  
       Please enter before calculating the filing fee.

       Priority is claimed under 35 USC §119 based on:

       A certified copy of the priority application is enclosed.

  X   Letter Requesting Non-Publication

  X   Return Receipt Postcard

       The enclosed application is in the form of a foreign language text:

       An English translation is enclosed, along with a statement that the translation is accurate.  
       Please notify the undersigned of the due date for submitting an English translation.  
       An enclosed check includes the fee of \$       for processing a foreign language text.

Applicant is a   X   large        small entity.

       Small Entity Statement enclosed.  
       Small Entity Statement filed in prior application.  
       Status still proper and desired.

FEE CALCULATION (LARGE ENTITY RATE)					FEE
	Number		Number Extra	Rate	Basic Fee
					\$770.00
Total Claims:	14	- 20 =	0	X \$18 =	\$0.00
Independent Claims	2	- 3 =	0	X \$86 =	\$0.00
TOTAL FILING FEE =					\$770.00

  X   Enclosed are checks in the amounts of \$ 770.00 for the filing fee, and \$ 40.00 for the recording fee.

  X   Please credit any overpayment, or charge any additional fees required by this paper, to Deposit Account No. 02-0384 of BAKER BOTTS L.L.P. A duplicate copy of this sheet is enclosed.

— This application is being filed without the Declaration and filing fee. Please advise the undersigned of the due date for submitting the Declaration and/or filing fee.

Respectfully submitted,  
BAKER BOTTS L.L.P.  
Attorneys for Applicant



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Date: January 21, 2004

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ATTORNEY DOCKET NO.  
004578.1375

PATENT APPLICATION

1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gary A. Frazier  
Serial No.: Unknown  
Filing Date: January 21, 2004  
Title: METHOD AND APPARATUS FOR HIGH-SPEED  
QUANTIZATION USING RESONANT TUNNELING  
TECHNOLOGY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

LETTER REQUESTING NON-PUBLICATION

Pursuant to 37 C.F.R. § 1.213(a), Applicant respectfully requests that the above-identified patent application not be published under 37 U.S.C. §122(b). Applicant hereby certifies that the invention disclosed in the above-identified application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, which requires publication at eighteen months after filing.

Respectfully submitted,  
BAKER BOTTS L.L.P.  
Attorneys for Applicants



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Date: January 21, 2004

Encls: None

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TECHNOLOGY

MAIL STOP PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

I hereby certify that the enclosed documents (listed below) are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on this 21st day of January, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.



Willie Jiles

Enclosures: Application Transmittal Form (3 pages)  
Letter Requesting Non-Publication (1 page)  
Specification, Claims and Abstract (24 pages)  
Formal Drawings (3 Sheets)  
Declaration (3 pages)  
Assignment with Cover Sheet (3 pages)  
Information Disclosure Statement, with enclosures  
Checks (\$770.00 and \$40.00)  
Acknowledgment Post Card

Express Mail Receipt:  
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